

Morbidity and Mortality

Weekly
Report

PUBLIC HEALTH SERVICE

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Prepared by the

COMMUNICABLE DISEASE CENTER

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Atlanta 22, Georgia

Vol. 10, No. 14

Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended April 8, 1961

Influenza - Connecticut becomes the second State to report influenza activity this year. (New York City reported cases and influenza A₂ virus isolations in Volume 10, Number 13). Dr. Franklin M. Foote, Commissioner, State Department of Health, Connecticut, reports that the State Laboratory has found significant rises in titer for influenza A₂ in paired specimens of blood from three persons in Stamford. The patients include a male physician who became ill late in February, a 60-year-old woman who became ill on February 21, and a 47-year-old man who was ill on February 26. All three had fever, cough, and generalized aches and pains.

Dr. A.M.M. Paine, Chairman, Department of Epidemiology and Public Health, Yale University School of Medi-

cine, has informed us that influenza is occurring in New Haven especially among University personnel and that isolations of the influenza A₂ virus have been made in their laboratory.

The number of deaths due to influenza and pneumonia remain within normal seasonal limits for the nation and each geographical division (see graph, page 2).

Hepatitis - The sustained high incidence continues.

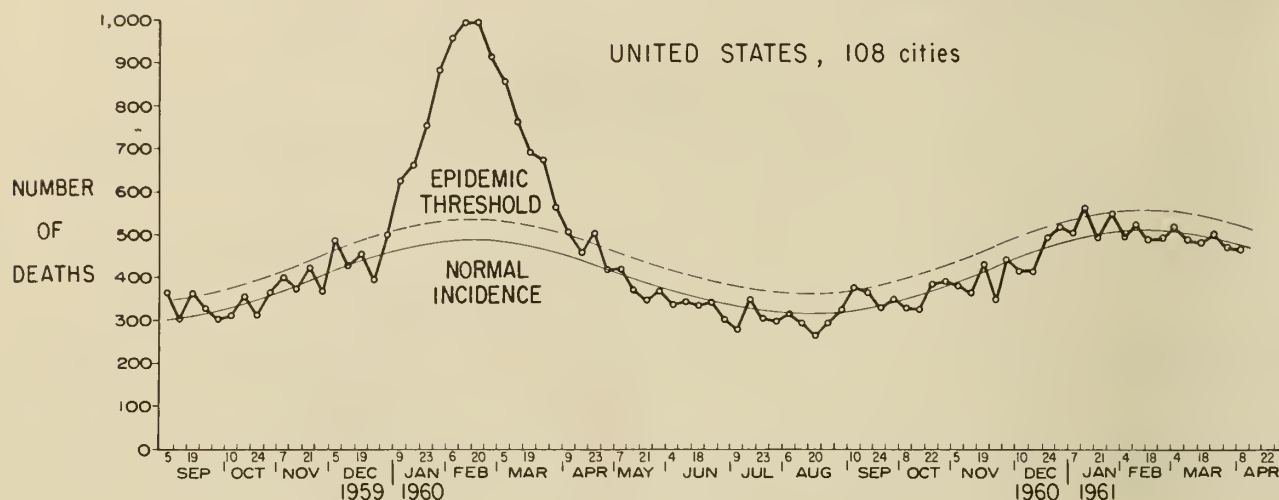
Poliomyelitis - This week, 9 cases, 8 paralytic, were reported. The only State accounting for more than one paralytic case was California with four. Two of these were from different cities in Alameda County. Both were

Table 1. Cases of Specified Notifiable Diseases: United States

(Cumulative totals include revised and delayed reports through previous week)

Disease (Seventh Revision of International Lists, 1955)	14th Week			Cumulative						Approximate seasonal low point
	Ended April 8, 1961	Ended April 9 1960	Median 1956-60	First 14 weeks			Since seasonal low week			
				1961	1960	Median 1956-60	1960-61	1959-60	Median 1955-56 to 1959-60	
* Weekly incidence low or sporadic --- Data not available - Quantity zero										
Anthrax-----062	-	-	*	1	6	*	*	*	*	*
Botulism-----049.1	-	-	*	4	3	*	*	*	*	*
Brucellosis (undulant fever)-----044	14	25	21	148	214	209	*	*	*	*
Diphtheria-----055	13	15	15	216	239	267	796	774	978	July 1
Encephalitis, infectious-----082	19	27	30	361	375	332	361	375	332	Jan. 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	1,906	938	419	25,066	10,731	6969	40,273	18,550	12,413	Sept. 1
Malaria-----110-117	2	-	*	10	13	*	*	*	*	*
Measles-----085	15,126	19,197	20,674	166,318	166,930	205,442	202,528	202,543	241,785	Sept. 1
Meningitis, aseptic-----340 pt.	34	26	---	324	394	---	324	394	---	Jan. 1
Meningococcal infections-----057	55	51	54	708	767	807	1,364	1,457	1,599	Sept. 1
Poliomyelitis-----080	9	11	19	112	227	312	9	11	19	Apr. 1
Paralytic-----080.0,080.1	8	10	13	68	164	221	8	10	13	Apr. 1
Nonparalytic-----080.2	-	1	4	25	37	52	-	1	4	Apr. 1
Unspecified-----080.3	1	-	2	19	26	39	1	-	2	Apr. 1
Psittacosis-----096.2	2	2	*	17	30	*	*	*	*	*
Rabies in man-----094	-	-	*	2	-	*	*	*	*	*
Streptococcal sore throat, including scarlet fever-----050,051	9,021	8,826	---	133,377	122,467	---	231,029	---	---	Aug. 1
Typhoid fever-----040	15	13	13	130	140	190	15	13	13	Apr. 1
Typhus fever, endemic-----101	-	-	*	9	5	*	*	*	*	*
Rabies in animals-----	93	79	99	943	1,180	1,394	1,519	2,160	2,176	Oct. 1

WEEKLY PNEUMONIA AND INFLUENZA DEATHS



The chart compares observed pneumonia-influenza deaths in 108 United States cities with expected levels. No significant excess has been observed during the current season. Although recoveries of Asian strain influenza virus have been recently reported in the Middle Atlantic and New England Divisions no excess mortality has been observed this year. Under similar circumstances in 1959 an increase in pneumonia-influenza deaths occurred in late March and early April.

bulbospinal cases with onsets in early March who were incompletely vaccinated. The other California cases were from Sacramento and Tuolumne Counties. Florida (Hillsborough County), Georgia (Chatham County), Mississippi (Quitman County), and Texas each reported one paralytic case. Through the 14th week of 1961, there have been 112 total cases, 68 paralytic, reported to CDC compared to 227 total cases, 164 paralytic, for the same period last year.

Typhoid — The Illinois typhoid cases listed in Table 2 are official reports of seven of the Chicago cases described in the epidemiological reports one week ago.

1960 POLIOMYELITIS FATALITIES

During 1960, there were 210 fatalities due to poliomyelitis reported to the Poliomyelitis Surveillance Unit of the Communicable Disease Center. Of the 194 deaths in which localization of paralysis was known, 94 percent were bulbar cases. The fatalities are presented in the following table by age group and vaccination history. The corresponding number of cases with residual paralysis and the paralytic case-fatality ratio is given for each age group. The age distribution of fatal cases is quite different from that of paralytic cases. While 43 percent of the paralytic cases were 0-4 years of age, only 20 percent of the fatalities were in this age group. Conversely, one-half of the fatalities, but only 21 percent of the paralytic

cases, were over 20 years of age. The paralytic case-fatality ratio increases with age from 4.5 percent in the 0-4 age group to 44.6 percent among those 40 and over, indicating a more severe involvement in the older age groups. The case-fatality ratio has increased from 7.4 percent in 1958 to 8.3 percent in 1959 and to 9.5 percent in 1960.

POLIOMYELITIS FATALITIES BY AGE GROUP AND VACCINATION HISTORY, UNITED STATES 1960*

Age Group	Fatalities						Total* Paralytic Cases	Paralytic Fatality Ratio (%)
	Doses of Vaccine							
	0	1-2	3	4+	Unk	Total		
0-4	27	7	7	2	0	43	952	4.5
5-9	16	9	8	5	1	39	514	7.6
10-14	4	5	3	2	0	14	174	8.0
15-19	6	2	0	1	0	9	113	8.0
20-29	35	6	4	1	3	49	264	18.6
30-39	22	6	0	0	2	30	140	21.4
40+	23	0	0	0	2	25	56	44.6
Unk.	0	0	0	0	1	1	5	—
Total	133	35	22	11	9	210	2,218	9.5

* Fatalities and cases with residual paralysis reported to PSU, CDC.

Correction on Volume 10, Number 12

In the summary of Food-Borne Disease Outbreaks (Volume 10, Number 12), an error was made in the trichinosis cases reported from Iowa. The entry under "place prepared" should be "home made" rather than "packer."

(Continued on page 8)

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED APRIL 9, 1960 AND APRIL 8, 1961

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Poliomyelitis 080										Menin- gitis, aseptic	Brucel- losis (undul- lant fever)
	Total (Includes cases not specified by type)				Paralytic 080.0,080.1				Nonparalytic 080.2			
	14th Week		Cumulative, first 14 weeks		14th Week		Cumulative, first 14 weeks					
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1961
UNITED STATES-----	9	11	112	227	8	10	68	164	-	1	34	14
NEW ENGLAND-----	-	-	3	6	-	-	3	6	-	-	1	-
Maine-----	-	-	-	2	-	-	-	2	-	-	1	-
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts-----	-	-	2	4	-	-	2	4	-	-	-	-
Rhode Island-----	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut-----	-	-	1	-	-	-	1	-	-	-	-	-
MIDDLE ATLANTIC-----	-	2	6	34	-	1	5	23	-	1	-	-
New York-----	-	1	3	29	-	1	2	19	-	-	-	-
New Jersey-----	-	-	2	3	-	-	2	3	-	-	-	-
Pennsylvania-----	-	1	1	2	-	-	1	1	-	1	-	-
EAST NORTH CENTRAL-----	-	-	16	27	-	-	10	7	-	-	14	1
Ohio-----	-	-	8	15	-	-	4	3	-	-	1	-
Indiana-----	-	-	1	-	-	-	1	-	-	-	-	-
Illinois-----	-	-	3	3	-	-	3	2	-	-	3	1
Michigan-----	-	-	1	7	-	-	1	2	-	-	7	-
Wisconsin-----	-	-	3	2	-	-	1	-	-	-	3	-
WEST NORTH CENTRAL-----	-	-	2	13	-	-	2	7	-	-	1	8
Minnesota-----	-	-	1	8	-	-	1	6	-	-	1	-
Iowa-----	-	-	-	3	-	-	-	1	-	-	-	7
Missouri-----	-	-	-	1	-	-	-	-	-	-	-	-
North Dakota-----	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota-----	-	-	-	1	-	-	-	-	-	-	-	-
Nebraska-----	-	-	1	-	-	-	1	-	-	-	-	1
Kansas-----	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC-----	2	1	12	42	2	1	8	35	-	-	1	2
Delaware-----	-	-	2	-	-	-	1	-	-	-	-	-
Maryland-----	-	-	-	1	-	-	-	-	-	-	-	-
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	-	-
Virginia-----	-	-	-	-	-	-	-	-	-	-	-	-
West Virginia-----	-	-	2	3	-	-	1	3	-	-	-	-
North Carolina-----	-	1	3	13	-	1	2	13	-	-	-	-
South Carolina-----	-	-	-	2	-	-	-	2	-	-	-	-
Georgia-----	1	-	2	2	1	-	2	2	-	-	-	-
Florida-----	1	-	3	21	1	-	2	15	-	-	1	2
EAST SOUTH CENTRAL-----	1	-	14	8	1	-	3	7	-	-	1	-
Kentucky-----	-	-	13	6	-	-	2	5	-	-	-	-
Tennessee-----	-	-	-	-	-	-	-	-	-	-	-	-
Alabama-----	-	-	-	1	-	-	-	1	-	-	-	-
Mississippi-----	1	-	1	1	1	-	1	1	-	-	1	-
WEST SOUTH CENTRAL-----	1	6	14	17	1	6	6	14	-	-	4	-
Arkansas-----	-	-	1	-	-	-	-	-	-	-	1	-
Louisiana-----	-	-	3	5	-	-	2	4	-	-	-	-
Oklahoma-----	-	-	-	1	-	-	-	1	-	-	-	-
Texas-----	1	6	10	11	1	6	4	9	-	-	3	-
MOUNTAIN-----	-	1	15	12	-	1	9	8	-	-	1	-
Montana-----	-	-	1	4	-	-	1	3	-	-	-	-
Idaho-----	-	-	3	4	-	-	1	1	-	-	-	-
Wyoming-----	-	-	-	-	-	-	-	-	-	-	-	-
Colorado-----	-	1	3	1	-	1	3	1	-	-	1	-
New Mexico-----	-	-	1	-	-	-	-	-	-	-	-	-
Arizona-----	-	-	2	2	-	-	1	2	-	-	-	-
Utah-----	-	-	5	1	-	-	3	1	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	5	1	30	68	4	1	22	57	-	-	11	3
Washington-----	1	-	1	6	-	-	-	6	-	-	4	-
Oregon-----	-	-	2	11	-	-	1	7	-	-	-	-
California-----	4	1	26	50	4	1	20	43	-	-	7	3
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii-----	-	-	1	1	-	-	1	1	-	-	-	-
Puerto Rico-----	-	20	2	47	-	19	2	46	-	-	-	-

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED APRIL 9, 1960 AND APRIL 8, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Diphtheria 055				Encephalitis, infectious		Hepatitis, infectious, and serum 092,N998.5 pt.				Measles	
	14th Week		Cumulative, first 14 weeks		082		14th Week		Cumulative, first 14 weeks		085	
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960
UNITED STATES-----	13	15	216	239	19	27	1,906	938	25,066	10,731	15,126	19,197
NEW ENGLAND-----	-	-	2	6	3	3	49	26	720	350	1,418	2,077
Maine-----	-	-	-	2	-	-	2	5	34	27	23	204
New Hampshire-----	-	-	-	-	-	-	1	-	47	9	82	28
Vermont-----	-	-	-	-	-	-	4	1	105	6	38	228
Massachusetts-----	-	-	2	3	2	2	20	10	244	179	728	771
Rhode Island-----	-	-	1	1	1	-	3	5	93	62	300	47
Connecticut-----	-	-	-	-	-	1	19	5	197	67	247	799
MIDDLE ATLANTIC-----	-	-	10	7	3	8	255	90	3,731	1,032	2,730	3,078
New York-----	-	-	3	1	2	5	107	47	1,524	523	1,089	2,258
New Jersey-----	-	-	-	1	1	2	73	8	915	76	640	705
Pennsylvania-----	-	-	7	5	-	1	75	35	1,292	433	1,001	115
EAST NORTH CENTRAL-----	2	2	7	22	1	3	390	195	4,820	2,142	4,360	5,383
Ohio-----	1	1	1	14	-	-	142	73	1,867	644	812	754
Indiana-----	1	-	1	3	-	-	96	32	819	325	150	582
Illinois-----	-	-	4	2	-	3	59	32	765	437	525	1,170
Michigan-----	-	1	1	3	1	-	84	55	1,243	614	1,162	1,073
Wisconsin-----	-	-	-	-	-	-	9	3	126	122	1,711	1,804
WEST NORTH CENTRAL-----	-	-	13	12	2	1	180	94	2,507	954	694	435
Minnesota-----	-	-	6	3	-	-	49	8	594	96	8	331
Iowa-----	-	-	1	2	-	-	75	26	670	187	435	21
Missouri-----	-	-	-	1	1	1	16	33	564	346	138	15
North Dakota-----	-	-	-	1	-	-	2	4	50	82	113	60
South Dakota-----	-	-	5	4	-	-	5	1	104	91	-	-
Nebraska-----	-	-	1	-	-	-	21	13	249	74	-	8
Kansas-----	-	-	-	1	1	-	12	9	276	78	NN	NN
SOUTH ATLANTIC-----	4	1	41	53	3	4	292	86	2,955	1,220	1,624	857
Delaware-----	-	-	-	-	-	-	4	4	89	60	47	10
Maryland-----	-	-	1	-	-	-	18	12	270	131	147	122
District of Columbia-----	1	-	2	-	-	-	6	1	32	11	6	55
Virginia-----	1	-	7	8	-	1	48	4	370	285	472	275
West Virginia-----	-	-	1	1	1	-	55	17	631	256	275	111
North Carolina-----	1	1	6	2	-	-	49	16	677	75	224	25
South Carolina-----	-	-	-	13	-	1	11	-	198	30	99	93
Georgia-----	-	-	7	8	-	-	65	7	344	113	13	8
Florida-----	1	-	17	21	2	2	36	25	344	259	341	158
EAST SOUTH CENTRAL-----	1	5	6	28	2	-	327	197	4,348	1,728	967	1,524
Kentucky-----	1	-	3	-	-	-	85	104	1,292	758	206	383
Tennessee-----	-	-	2	5	1	-	145	50	1,813	531	556	890
Alabama-----	-	4	1	16	-	-	50	30	706	323	113	106
Mississippi-----	-	1	-	7	1	-	47	13	537	116	92	145
WEST SOUTH CENTRAL-----	6	7	132	84	-	-	155	86	1,723	795	568	2,666
Arkansas-----	-	-	1	1	-	-	32	2	351	35	37	68
Louisiana-----	1	3	13	20	-	-	10	1	128	29	-	28
Oklahoma-----	-	-	2	5	-	-	9	7	117	124	6	27
Texas-----	5	4	116	58	-	-	104	76	1,127	607	525	2,543
MOUNTAIN-----	-	-	5	26	-	1	94	49	1,599	925	967	676
Montana-----	-	-	2	2	-	-	15	-	175	44	71	93
Idaho-----	-	-	-	11	-	1	4	9	88	135	51	102
Wyoming-----	-	-	-	5	-	-	5	1	64	7	126	-
Colorado-----	-	-	3	2	-	-	23	21	517	273	147	166
New Mexico-----	-	-	2	-	-	-	7	8	235	160	NN	-
Arizona-----	-	-	-	1	-	-	18	7	179	207	510	203
Utah-----	-	-	-	3	-	-	11	2	287	82	38	106
Nevada-----	-	-	-	-	-	-	11	1	54	17	24	6
PACIFIC-----	-	-	-	1	5	7	164	115	2,663	1,585	1,798	2,501
Washington-----	-	-	-	-	-	-	20	12	344	185	207	575
Oregon-----	-	-	-	-	-	-	28	26	484	305	177	325
California-----	-	-	-	-	5	7	116	75	1,704	985	1,401	1,342
Alaska-----	-	-	1	-	-	-	-	-	111	75	5	-
Hawaii-----	-	-	-	-	-	-	-	2	20	35	8	259
Puerto Rico-----	1	1	25	63	-	-	31	4	175	306	19	54

NN-Not Notifiable

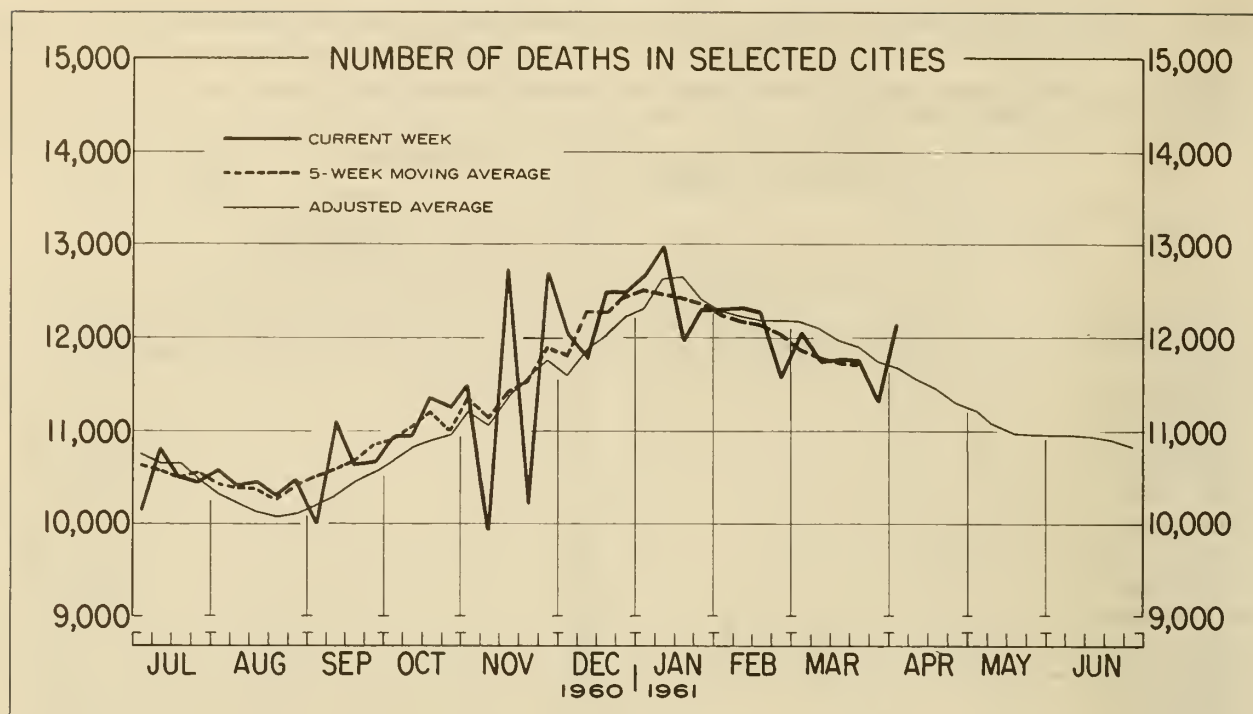
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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED APRIL 9, 1960 AND APRIL 8, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Malaria	Meningococcal infections		Psittacosis	Streptococcal sore throat, etc.	Typhoid fever 040				Typhus fever, endemic	Rabies in animals	
	110-117	057		096.2	050,051	14th Week		Cumulative, first 14 weeks		101		
	1961	1961	1960	1961	1961	1961	1960	1961	1960	1961	1961	1960
UNITED STATES-----	2	55	51	2	9,021	15	13	130	140	-	93	79
NEW ENGLAND-----	-	3	3	1	742	-	-	3	1	-	-	-
Maine-----	-	1	-	-	42	-	-	1	-	-	-	-
New Hampshire-----	-	-	-	-	20	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	28	-	-	-	-	-	-	-
Massachusetts-----	-	2	3	-	297	-	-	1	1	-	-	-
Rhode Island-----	-	-	-	-	38	-	-	1	-	-	-	-
Connecticut-----	-	-	-	1	317	-	-	-	-	-	-	-
MIDDLE ATLANTIC-----	1	7	11	-	1,193	-	1	8	6	-	-	11
New York-----	1	5	7	-	745	-	1	3	4	-	-	11
New Jersey-----	-	-	-	-	218	-	-	1	-	-	-	-
Pennsylvania-----	-	2	4	-	230	-	-	4	2	-	-	-
EAST NORTH CENTRAL-----	-	13	8	1	1,228	8	6	15	18	-	7	6
Ohio-----	-	2	3	-	361	-	-	4	1	-	3	-
Indiana-----	-	2	-	-	133	1	2	2	6	-	1	1
Illinois-----	-	1	3	-	234	7	1	7	4	-	-	2
Michigan-----	-	7	2	-	304	-	-	1	4	-	3	2
Wisconsin-----	-	1	-	1	196	-	3	1	3	-	-	1
WEST NORTH CENTRAL-----	1	2	8	-	300	2	1	12	9	-	10	20
Minnesota-----	-	-	4	-	12	-	1	4	1	-	1	3
Iowa-----	-	-	1	-	77	-	-	1	-	-	6	2
Missouri-----	-	1	-	-	18	1	-	5	7	-	-	4
North Dakota-----	-	-	2	-	131	-	-	-	-	-	-	1
South Dakota-----	-	-	-	-	-	-	-	-	1	-	1	10
Nebraska-----	-	-	-	-	2	-	-	-	-	-	2	-
Kansas-----	1	1	1	-	60	1	-	2	-	-	-	-
SOUTH ATLANTIC-----	-	11	5	-	742	1	1	24	20	-	22	8
Delaware-----	-	-	-	-	7	-	-	-	-	-	-	-
Maryland-----	-	1	-	-	68	-	-	-	-	-	-	-
District of Columbia-----	-	-	-	-	2	-	-	1	1	-	-	-
Virginia-----	-	1	2	-	215	-	-	-	3	-	15	5
West Virginia-----	-	-	1	-	227	-	-	4	1	-	5	2
North Carolina-----	-	4	2	-	42	1	-	6	7	-	1	-
South Carolina-----	-	-	-	-	25	-	1	2	6	-	-	-
Georgia-----	-	-	-	-	3	-	-	9	-	-	-	-
Florida-----	-	5	-	-	153	-	-	2	2	-	1	1
EAST SOUTH CENTRAL-----	-	6	6	-	1,639	2	1	19	29	-	17	15
Kentucky-----	-	4	1	-	349	-	-	4	10	-	4	4
Tennessee-----	-	2	-	-	1,242	2	1	13	17	-	11	7
Alabama-----	-	-	-	-	8	-	-	2	2	-	2	4
Mississippi-----	-	-	5	-	40	-	-	-	-	-	-	-
WEST SOUTH CENTRAL-----	-	7	7	-	1,189	-	2	20	35	-	31	17
Arkansas-----	-	-	-	-	6	-	1	2	13	-	8	5
Louisiana-----	-	-	4	-	8	-	-	3	10	-	5	-
Oklahoma-----	-	1	-	-	7	-	-	2	2	-	-	-
Texas-----	-	6	3	-	1,168	-	1	13	10	-	18	12
MOUNTAIN-----	-	1	-	-	1,173	1	-	13	9	-	1	-
Montana-----	-	-	-	-	91	-	-	1	5	-	-	-
Idaho-----	-	-	-	-	88	-	-	-	-	-	-	-
Wyoming-----	-	-	-	-	21	-	-	-	-	-	-	-
Colorado-----	-	-	-	-	322	-	-	5	-	-	-	-
New Mexico-----	-	-	-	-	306	1	-	3	4	-	-	-
Arizona-----	-	-	-	-	170	-	-	2	-	-	1	-
Utah-----	-	-	-	-	164	-	-	1	-	-	-	-
Nevada-----	-	1	-	-	11	-	-	1	-	-	-	-
PACIFIC-----	-	5	3	-	815	1	1	16	13	-	5	2
Washington-----	-	1	1	-	254	-	-	1	-	-	-	-
Oregon-----	-	-	1	-	89	-	-	-	-	-	-	-
California-----	-	4	1	-	439	1	1	15	13	-	5	2
Alaska-----	-	-	-	-	27	-	-	-	-	-	-	-
Hawaii-----	-	-	-	-	6	-	-	-	-	-	-	-
Puerto Rico-----	-	-	-	-	4	1	-	6	14	-	-	-



The chart shows the number of deaths reported for 117 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week, and an adjusted average for comparison. For each region the adjusted average was computed as follows: From the total deaths reported each week for the years 1956-1960, 3 central figures were selected by eliminating the highest and lowest figure reported for that week. A 5-week moving average of the arithmetic mean of the 3 central figures was then computed with adjustment to allow for population growth in each region. The average value of the regional increases was 2 percent which was incorporated in the adjusted average shown in the chart.

Table 4 shows the number of death certificates re-

ceived during the week indicated for deaths that occurred in selected cities. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week, an estimate is used.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the populations and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence and week of filing certificate. Excludes fetal deaths. Data exclude figures shown in parentheses in table 4)

Area	14th week ended April 8, 1961	13th week ended April 1, 1961	Adjusted average, 14th week 1956-60	Percent change, adjusted average to current week	Cumulative, first 14 weeks		
					1961	1960	Percent change
TOTAL, 117 REPORTING CITIES-----	12,134	11,327	11,680	+3.9	169,317	179,963	-5.9
New England----- (14 cities)	769	679	699	+10.0	10,384	11,456	-9.4
Middle Atlantic----- (20 cities)	3,538	3,478	3,271	+8.2	48,745	48,869	-0.3
East North Central----- (21 cities)	2,720	2,235	2,456	+10.7	35,483	38,668	-8.2
West North Central----- (9 cities)	815	709	817	-0.2	11,328	12,551	-9.7
South Atlantic----- (11 cities)	1,011	959	994	+1.7	14,582	15,909	-8.3
East South Central----- (8 cities)	516	552	534	-3.4	7,853	8,293	-5.3
West South Central----- (13 cities)	921	976	1,032	-10.8	14,572	16,115	-9.6
Mountain----- (8 cities)	418	379	371	+12.7	5,453	5,489	-0.7
Pacific----- (13 cities)	1,426	1,360	1,506	-5.3	20,917	22,613	-7.5

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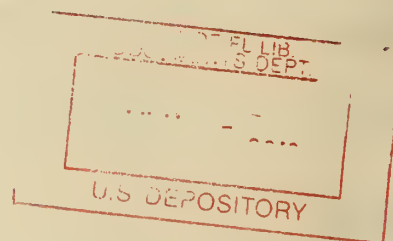
Table 4. DEATHS IN SELECTED CITIES

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	14th week ended April 8, 1961	13th week ended April 1, 1961	Cumulative, first 14 weeks		Area	14th week ended April 8, 1961	13th week ended April 1, 1961	Cumulative, first 14 weeks		
			1961	1960				1961	1960	
NEW ENGLAND:										
Boston, Mass.-----	265	221	3,566	4,006	WEST NORTH CENTRAL--Con.:					
Bridgeport, Conn.-----	46	33	558	646	St. Louis, Mo.-----	234	239	3,424	3,988	
Cambridge, Mass.-----	42	24	430	492	St. Paul, Minn.-----	72	43	953	1,100	
Fall River, Mass.-----	25	26	386	476	Wichita, Kans.-----	41	33	632	682	
Hartford, Conn.-----	62	34	672	725	SOUTH ATLANTIC:					
Lowell, Mass.-----	16	28	354	368	Atlanta, Ga.-----	102	122	1,696	1,827	
Lynn, Mass.-----	16	33	327	401	Baltimore, Md.-----	257	255	3,648	4,058	
New Bedford, Mass.-----	26	25	399	381	Charlotte, N.C.-----	37	31	534	687	
New Haven, Conn.-----	59	47	667	690	Jacksonville, Fla.-----	51	60	864	1,002	
Providence, R.I.-----	71	67	898	989	Miami, Fla.-----	80	69	1,100	1,158	
Somerville, Mass.-----	12	9	186	238	Norfolk, Va.-----	66	38	714	700	
Springfield, Mass.-----	43	47	698	746	Richmond, Va.-----	78	62	1,171	1,271	
Waterbury, Conn.-----	28	32	411	431	Savannah, Ga.-----	33	34	506	600	
Worcester, Mass.-----	58	53	832	867	St. Petersburg, Fla.-----	(69)	(78)	(1,125)	(1,203)	
					Tampa, Fla.-----	45	54	983	1,025	
MIDDLE ATLANTIC:										
Albany, N.Y.-----	42	57	692	650	Washington, D.C.-----	220	198	2,800	2,960	
Allentown, Pa.-----	46	29	495	525	Wilmington, Del.-----	42	36	566	621	
Buffalo, N.Y.-----	166	158	2,115	2,203	EAST SOUTH CENTRAL:					
Camden, N.J.-----	53	54	615	683	Birmingham, Ala.-----	93	94	1,297	1,359	
Elizabeth, N.J.-----	30	37	433	450	Chattanooga, Tenn.-----	53	36	731	765	
Erie, Pa.-----	49	50	579	563	Knoxville, Tenn.-----	34	18	422	467	
Jersey City, N.J.-----	63	51	1,012	1,088	Louisville, Ky.-----	77	138	1,683	1,775	
Newark, N.J.-----	123	86	1,521	1,514	Memphis, Tenn.-----	118	128	1,753	1,779	
New York City, N.Y.-----	1,847	1,847	25,137	24,638	Mobile, Ala.-----	45	39	604	658	
Paterson, N.J.-----	47	34	563	619	Montgomery, Ala.-----	41	29	486	562	
Philadelphia, Pa.-----	511	544	7,641	7,535	Nashville, Tenn.-----	55	70	877	928	
Pittsburgh, Pa.-----	175	202	2,791	3,029	WEST SOUTH CENTRAL:					
Reading, Pa.-----	16	14	304	358	Austin, Tex.-----	37	36	495	586	
Rochester, N.Y.-----	114	107	1,492	1,554	Baton Rouge, La.-----	34	19	414	480	
Schenectady, N.Y.-----	36	27	365	364	Corpus Christi, Tex.-----	31	18	364	396	
Scranton, Pa.-----	46	28	535	576	Dallas, Tex.-----	124	134	1,817	1,923	
Syracuse, N.Y.-----	60	57	874	968	El Paso, Tex.-----	32	40	542	604	
Trenton, N.J.-----	47	33	669	623	Fort Worth, Tex.-----	69	60	983	1,042	
Utica, N.Y.-----	30	34	434	446	Houston, Tex.-----	127	206	2,515	2,673	
Yonkers, N.Y.-----	37	29	478	483	Little Rock, Ark.-----	46	54	796	965	
EAST NORTH CENTRAL:										
Akron, Ohio-----	53	58	816	860	New Orleans, La.-----	154	141	2,436	2,897	
Canton, Ohio-----	26	39	441	562	Oklahoma City, Okla.-----	68	73	1,130	1,167	
Chicago, Ill.-----	891	600	10,717	11,882	San Antonio, Tex.-----	105	96	1,497	1,646	
Cincinnati, Ohio-----	182	143	2,254	2,512	Shreveport, La.-----	45	54	767	802	
Cleveland, Ohio-----	214	175	3,014	3,389	Tulsa, Okla.-----	49	45	816	934	
Columbus, Ohio-----	132	102	1,615	1,860	MOUNTAIN:					
Dayton, Ohio-----	87	79	1,205	1,093	Albuquerque, N. Mex.-----	37	35	465	472	
Detroit, Mich.-----	331	332	4,837	5,286	Colorado Springs, Colo.-----	20	14	241	262	
Evansville, Ind.-----	35	30	514	583	Denver, Colo.-----	131	112	1,703	1,831	
Flint, Mich.-----	43	50	613	582	Ogden, Utah-----	18	14	221	266	
Fort Wayne, Ind.-----	52	46	585	566	Phoenix, Ariz.-----	95	85	1,258	1,167	
Gary, Ind.-----	30	30	442	450	Pueblo, Colo.-----	19	16	234	220	
Grand Rapids, Mich.-----	51	40	651	608	Salt Lake City, Utah-----	53	53	721	727	
Indianapolis, Ind.-----	153	145	2,130	2,252	Tucson, Ariz.-----	45	50	610	544	
Madison, Wis.-----	37	38	454	465	PACIFIC:					
Milwaukee, Wis.-----	150	91	1,748	1,923	Berkeley, Calif.-----	14	19	242	273	
Peoria, Ill.-----	34	28	419	454	Fresno, Calif.-----	(36)	(49)	(622)	(735)	
Rockford, Ill.-----	26	30	402	429	Glendale, Calif.-----	(44)	(26)	(473)	(606)	
South Bend, Ind.-----	23	15	392	458	Honolulu, Hawaii-----	55	35	583	616	
Toledo, Ohio-----	101	106	1,424	1,577	Long Beach, Calif.-----	57	49	848	832	
Youngstown, Ohio-----	69	58	810	877	Los Angeles, Calif.-----	475	476	7,538	8,312	
WEST NORTH CENTRAL:										
Des Moines, Iowa-----	52	44	741	848	Oakland, Calif.-----	103	96	1,403	1,482	
Duluth, Minn.-----	37	23	381	395	Pasadena, Calif.-----	45	26	477	545	
Kansas City, Kans.-----	60	38	565	529	Portland, Oreg.-----	113	92	1,461	1,641	
Kansas City, Mo.-----	130	100	1,844	1,993	Sacramento, Calif.-----	69	62	908	910	
Lincoln, Nebr.-----	(27)	(28)	(419)	(377)	San Diego, Calif.-----	83	86	1,300	1,431	
Minneapolis, Minn.-----	120	107	1,775	1,851	San Francisco, Calif.-----	184	190	3,002	3,092	
Omaha, Nebr.-----	69	82	1,013	1,165	San Jose, Calif.-----	(37)	(39)	(499)	(423)	
					Seattle, Wash.-----	139	143	1,920	2,106	
					Spokane, Wash.-----	47	50	650	699	
					Tacoma, Wash.-----	42	36	585	674	
					San Juan, P. R.-----	(43)	(39)	(488)	(506)	

() Figures shown in parenthesis are from cities which have

() Figures shown in parenthesis are from cities which have been reporting less than five years and hence are not included in Table 3.



We thank Dr. Ralph H. Heeren, Director, Division of Preventable Diseases, Iowa State Department of Health for calling this to our attention.

EPIDEMIOLOGICAL REPORTS

Q Fever - Tennessee

The first case of Q Fever recognized in Tennessee was reported by Dr. Cecil B. Tucker, Director, Division of Preventable Diseases. The patient is a dairy farmer responsible for a herd of 34 cows. The illness began in mid-February, 2 weeks following the delivery of 2 calves, when he noted weakness, malaise, anorexia and a short episode of fever. The entire illness lasted about 6 weeks and he received antibiotic therapy without dramatic improvement. Acute serum had a complement fixation antibody titer of 1/16 while the convalescent serum was 1/256. An investigation is being made of the dairy.

Undiagnosed Epidemic Exanthem, Vermont - Follow-up

Dr. Linus J. Leaven, Director, Division of Communicable Disease Control, Vermont Department of Health, has informed us that attempts to determine the etiology of the undiagnosed epidemic Exanthem (Vol. 10, No. 9) have been unsuccessful. Virological studies and heterophile antibody tests yielded negative results. Sixty to seventy percent of the 75 boys have now been affected.

INTERNATIONAL NOTES

Smallpox - The following information is reported by the Division of Foreign Quarantine.

Germany - A secondary case of smallpox was confirmed on April 7 in Ansback. The original imported case arrived in Frankfurt am Main from Karachi, Pakistan, on March 11 and traveled directly to Ansback, possibly by ground transportation.

Moscow - One imported case of smallpox was confirmed April 6 in Moscow. The patient arrived from Delhi, India. No additional information is available.

FOR SOURCE AND NATURE OF MORBIDITY DATA SEE
LAST WEEK'S MORBIDITY AND MORTALITY WEEKLY
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U. S. DEPARTMENT OF
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PUBLIC HEALTH SERVICE
Communicable Disease Center
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